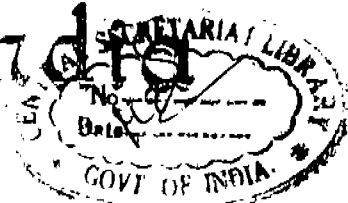




# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY



सं० 22]

नई दिल्ली, शनिवार, जून 1, 1996 (ज्येष्ठ 11, 1918)

No. 22]

NEW DELHI, SATURDAY, JUNE 1, 1996 (JYASTHA 11, 1918)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, 1st June 1996

Patent Office Branch,  
61, Wallajah Road,  
Madras-600002.

The States of Andhra Pradesh, Karnataka, Kerala,  
Tamilnadu and Pondicherry, the Union Territories of  
Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIC".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700020.

Rest of India.

Telegraphic address "PATENTS"

#### ADDRESS AND JURISDICTION OF THE OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and  
Branch Offices at Bombay, Delhi and Madras having terri-  
torial Jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
Todi Estates, III Floor, Lower Parel (West),  
Bombay-400 013.

The States of Gujarat, Maharashtra, Madhya Pradesh  
and Goa and the Union Territories of Daman and Diu  
and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, IIIrd Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and  
Kashmir, Punjab, Rajasthan and Uttar Pradesh and  
Delhi and the Union Territory of Chandigarh.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents  
or any fees required by the Patents Act, 1970 or the Patents  
Rules, 1972 will be received only at the appropriate Offices  
of the Patent Office.

*Fees* :—The fees may either be paid in cash or may be  
sent by Money Order or payable to the Controller at the  
appropriate Offices or by bank draft or cheque, payable to the  
Controller, drawn on a scheduled bank at the place where the  
appropriate office is situated.

पेटेंट कार्यालय

एकसूच तथा अभिकल्प

कलकत्ता, विनांक 1 जून 1996

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जॉन के आधार पर निम्न रूप में प्रदर्शित हैं।

पेटेंट कार्यालय शाखा, टोहरी इस्टेट  
तीसरा तल, लोअर परेल (पश्चिम),  
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोआ राज्य क्षेत्र एवं संघ शासित क्षेत्र दमन तथा दीव एवं दादरा और नगर हवेली।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, फ़ा़ल बाग,  
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,  
राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ  
शासित क्षेत्र चण्डीगढ़।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
61, बालाजाई रोड,  
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा  
पाण्डिचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र लक्षद्वीप,  
मिनिक्काय तथा एमिनिदिवि द्वीप।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता-“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अप-  
क्षित सभी आवेदन-पत्र, सूचनाएं, भिवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

शुल्क :—शुल्कों की उदायगी या तां नकद की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनावेश अथवा  
आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान  
को अनुमोचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा चैक द्वारा की जा सकती है।

## CORRIGENDUM

Under the heading “Patent Scaled” in the Gazette of India, Part-III, Sec-2 dated 08th March, 96 was notified on 06th April, 96 read Patent Appln. no. 175474 under “FOOD” Category.

## REGISTRATION OF ASSIGNMENT, LICENCE ETC. UNDER SECTION 68 OF THE PATENTS ACT, 1970.

The member of each case is followed by the name of the name of the parties claiming in interests :—

1. Patent No. 167079 registered Deed of Assignment assigning entire right to Solder Production Manufacturing Limited by the patentee.

2. Patent No. 164023 registered deed of assignment assigning entire right to Magneti Marelli Electrical Limited by the patentee.

3. Patent No. 174286 registered deed of assignment assigning entire right to Tropix Inc. by the patentee.

4. Patent No. 165819 registered deed of assignment assigning entire right to Punjab Agro Industries Corporation Ltd. by the patentee.

5. Patent No. 159528 registered deed of assignment assigning entire right to Borden Inc. by the patentee.

6. Patent No. 156855 registered supplementary licence agreement licensing non-exclusively to Ashoka Smokeless Coal Industries Pvt. Ltd., and Interlink Coal Pvt. Ltd. by the Patentee.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE  
234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crecent bracket are the dates claimed under section 135, of the Patent Act, 1970.

22-01-1996

99/Cal/96. Montell Technology Company BV. Metallocene compounds, process for the preparation thereof and their use in catalysts for the polymerization of olefins. (Convention No. MI 95A 000099; on 23/1/95; in Italy).

100/Cal/96. LG Electronics Inc. Fin tube heat exchanger. (Convention Nos. 1995-24235 on 23-1-95 in KOREA. 1995-1110; on 23/1/95; in Korea).

101/Cal/96. LG Electronics Inc. Fin tube heat exchanger. (Convention Nos. 1995-1076; on 23-1-95; in KOREA).

102/Cal/96. Carding Specialists (CANADA) Limited. Piston rod bearing assembly of reciprocating piston engine.

103/Cal/96. Murata Manufacturing Co. Ltd., and Nippon Hoso Kyoukai. Signal-to-noise enhancer. (Convention No. 7-28643; on 24/01/1995; in JAPAN.)

104 Cal/96. Esteve QUIMICA S.A. New stabilized galenic formulations comprising an acid labile benzimidazole compound and its preparation. (Convention No. P 9500181; on 01/02/1995; in SPAIN.)

105/Cal/96. (1) Magna International Toronto, (2) Eybl-Durmout AG, and (3) George Kaufmann AG. Method for manufacturing a lining part from plastics, and in particular a lining part produced according to this method. (Convention No. 19505155.6; on 16/02/95; In Germany.)

106/Cal/96. Asahi Kasei Kogyo Kabushiki Kaisha. Process for producing unsaturated nitrile. (Convention No. 07-032865; on 31/1/95; in Japan.)

107/Cal/96. The Esab Group, Inc Gas distribution manifold for metal scarfing apparatus. (Convention No. 08/381,730; on 1/2/95; in U. S. A.).

108/Cal/96. Windmoller & Holscher. Device for manufacturing block bottom sacks. (Convention No. 19502251.3; on 25/1/95; In Germany.)

109/Cal/96. ABB Power T & D Company Inc. Dynamic mechanically switched damping system and method for damping power oscillations using the same. (Convention No. 08/379,920 on 30-1-95; In U.S.A.)

110/Cal/96. Engelhard Corporation. Method and apparatus for treating the atmosphere. (Convention Nos. 08/376332, 08/410445, 08/412525, 08/537206, 08/537208/08/549996 and Nil; Nil; Nil; Nil; Filed on 20/1/95, 24/3/95, 29/3/95, 29/9/95, 29/9/95, 27/10/95 and 19/1/96; 19/1/96; 19/1/96; 19/1/96; in U.S.A.).

111/Cal/96. Engelhard Corporation. Vehicle having atmosphere pollutant treating surface. (Convention Nos. 08/376332, 08/410445, 08/412525, 08/537206, 08/537208, 08/549996, and Nil; Nil; Nil; Nil; Filed on 20/1/95, 24/3/95, 29/3/95, 29/9/95, 29/9/95, 27/10/95 and 19/1/96; 19/1/96; 19/1/96; in U.S.A.).

112/Cal/96. Engelhard Corporation. Pollutant treating devices and methods of making the same. (Convention Nos. 08/376332, 08/410445, 08/412525, 08/537206, 08/537208, 08/549996 and Nil; Nil; Nil; Nil; Filed on 20/1/95, 24/3/95, 29/3/95, 29/9/95, 29/9/95, 27/10/95 and 19/1/96; 19/1/96, 19/1/96; 19/1/96; In U.S.A.).

113/Cal/96. Engelhard Corporation. Method and apparatus for treating the atmosphere. (Convention Nos. 08/376332, 08/410445, 08/412525, 08/537206, 08/537208, 08/549996 and Nil; Nil; Nil; Nil; Filed on 20/1/95, 24/3/95, 29/3/95, 29/9/95, 29/9/95, 27/10/95 and 19/1/96; 19/1/96; 19/1/96; In U.S.A.).

114/Cal/96. Fleetguard, Inc. Self-driven, cone-stack type centrifuge. (Convention No. 08/378,197; on 25/1/95 & Nil. on 05/01/96; In U. S. A.)

23-01-1996.

115/Cal/96. Daewoo Electronics Co., Ltd. Audio head assembly for use in a video cassette recorder. (Convention No. 95-5852; on 29/03/1995; In SOUTH KOREA).

116/Cal/96. Philips Electronics N. H. Lighting Unit.

117/Cal/96. University of Pittsburgh. Stable-lipid-comprising drug delivery complexes and methods for their production. (Convention No. 08/376,701; on 23/1/95; In U.S.A.).

118/Cal/96. LG Electronics Inc. Fin tube heat exchanger. (Convention No. 1995-1078; on 23/1/1995; in KOREA.)

119/Cal/96. LG Electronics Inc. Fin tube heat exchanger. (Convention No. 1995-1079; on 23/1/1995; in KOREA.)

120/Cal/96. Eli Lilly and Company. Transdermal formulation. (Convention No. 08/380,478; on 30/1/95; In U.S.A.).

121/Cal/96. Janssen Pharmaceutica N.V. 4-(1H-INDOL-1-YL)-1-piperidinyl derivatives. (Convention Nos. 95.200.229.3; on 31/1/95; In EPO.)

122/Cal/96. Merck Patent GmbH. 4-mercapto-benzoylguanidinderivate. (Convention No. 19502859.3; on 31/1/95; In Germany.)

123/Cal/96. Merck Patent GmbH. 4-amino-benzoylguanidinderivate. (Convention No. 19502644.6; on 28/1/95; In Germany.)

24-01-1996.

124/Cal/96. Phillips Petroleum Company. A process for making a small, discrete, spherical magnesium dihydride/alcohol adduct useful for preparing an olefin polymerization catalyst. (Convention No. 08/385619; on 9/2/95; In U.S.A.)

125/Cal/96. Stopinc AG. Sliding gate valve for a vessel containing molten metal.

126/Cal/96. Showa Denko K. K. Highly polymerizable N-Vinyl-carboxylic acid amide and production process thereof.

127/Cal/96. American Cyanamid Company. Herbicidal 2, 6-disubstituted pyridines and 2, 4-disubstituted pyrimidines

128/Cal/96. Murata Manufacturing Co. Ltd and Nippon Hoso Kyokai. Signal-to-noise enhancer. Convention No. 7-28643; on 24/1/1995; in JAPAN.)

129/Cal/96. Rieter Automotive (International) AG. Quarter-wave sound absorber.

130/Cal/96. American Cyanamid Company. Herbicidal 2, 6-disubstituted pyridines and 2, 4-disubstituted pyrimidines

#### ALTERATION OF DATE UNDER SECTION—16

176458 filed on 2-7-93.

(679/Del/93) Ante dated to 9-6-89.

176459 filed on 2-7-93

(680/Del/93) Ante-dated to 9-6-89.

176460 filed on 2-7-93

(0681/Del/93) Ante-dated to 9-6-89

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month, applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अगुम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप है।”

रूपांकन (चित्र आरेखों) की फोटों प्रतियां यदि कोई हो, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 सं गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 35E, 85J

176451

Int. Cl.: C04B 35/00

COMPOSITE REFRACTORY SHEATH FOR THERMO-COUPLE USED IN MEASURING TEMPERATURE OF MOLTEN STEEL BATH CONTINUOUSLY IN A FURNACE DURING THE ENTIRE REFINING PERIOD THEREOF.

Applicant: STEEL AUTHORITY OF INDIA LIMITED OF ISPAT BHAWAN, LODI ROAD, NEW DELHI-110003.

Inventors: RAMASWAMY SHRINIVAS, CHITTUR SIVARAMAKRISHNAIYER VISHWANATHAN.

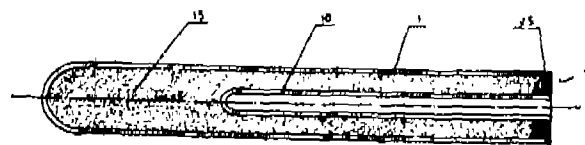
Application for Patent No. 0004/Del/90, filed on 1-1-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 2 Claims

A composite refractory sheath for protecting the thermocouple used in measuring temperature of molten steel bath continuously in a furnace during the entire refining period thereof, characterised in that it comprises a fused quartz tube which is closed at one end and open at the other end, and of preferred length 200 mm, wall thickness 2 mm, and internal diameter 25 mm; and a recrystallised alumina tube which is closed at one end and open at the other end, and of preferred length 130 mm, wall thickness 2 mm and internal diameter 10 mm; the said recrystallised alumina tube being housed concentrically within the said fused quartz tube with the open ends thereof placed flush with each other, the empty space between the said tube stuffed with technical

grade anhydrous alumina (99.5%  $Al_2O_3$ ) and the annulus at the open ends thereof closed by packing asbestos ropes thereinto.



Compl. Specn. 8 pages

Drg. 1 sheet

Ind. Cl.: 176H, 177E

176452

Int. Cl.: F16K 3/18, 3/20

A DEVICE ENABLING A MASS CANTILEVERED FROM A VERTICALLY MOVABLE ELEMENT TO REST AGAINST A FIXED FRAMEWORK.

Applicant: STEIN INDUSTRIE OF 19-21 AVENUE MORANE SAULNIER, 79141 VELIZY VILLACOUBLAY, FRANCE.

Inventors: JEAN-JACQUES MARSAULI.

Application for Patent No. 0009/Del/90, filed on 3-1-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 6 Claims

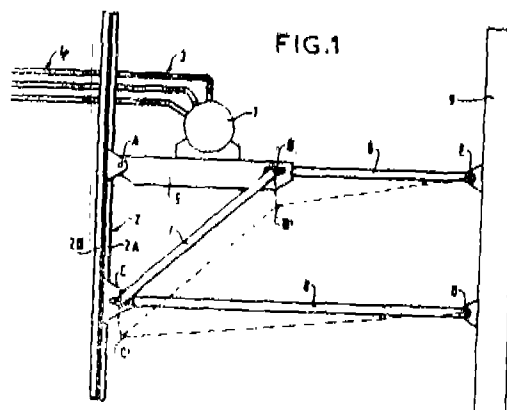
A device for enabling a mass (1) cantilevered from an element (2) vertically movable under the effect of thermal expansion and contraction to rest against a fixed framework (9).

characterised in that device comprises:

a first arm (7) one end of which is articulated at a point (c) on said vertically movable (2) element;

a second arm (6) having one end thereof articulated to the opposite end of said first arm (7) adjacent to said mass (1) and slidably mounted at its junction (B) with said first arm (7) and having its opposite end articulated to said fixed framework (9); and

a third arm (8) having one end articulated to one end of said first arm (7) adjacent said vertically movable element (2) and having its opposite end articulated to said fixed framework (9) at a point (D) disposed at a level different from that of the point (E) at which said second arm (6) is articulated to said framework (9).



Compl. Specn. 9 pages

Drgs. 3 sheets

Ind. Cl.: 130F

176453

Int. Cl.: C23B 1/00

**A METHOD OF PRODUCING PELLETS OF NATURALLY OCCURRING IRON OREFINES.**

Applicant: STEEL AUTHORITY OF INDIA LIMITED OF ISPAT BHAWAN, LODHI ROAD, NEW DELHI-110003.

Inventors: JAGANNATH BHARAMAPPA PATIL, TAN NIKULAM MUDAMBI SRINIVASAN.

Application for Patent No. 0023/Del/90 filed on 5-1-90

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

**6 Claims**

A method of producing pellets of naturally occurring iron ores, comprising the steps: (a) mixing unscreened iron ore fines in a weight proportion 25—50% an inorganic binder such as portland cement in a weight proportion 8—12% and 67—38% by weight of pre-screened naturally occurring high grade iron ore fines of the type called 'blue dust' containing more than 65% by weight iron and less than 3% by weight gangue together with water not less than 50% of the water content of the pellets produced (b) pelletising the mix in a disc pelletiser and (c) curing the pellets produced, characterized in that the said pre-screened naturally occurring high grade iron ore fines are produced by screening said naturally occurring high grade iron ore fines in a screen having a preferred opening of 1 mm and the said unscreened iron ore fines are produced by grinding the said naturally occurring high grade iron ore fines having particle size larger than 1 mm as separated by said screening to have an average particle size not exceeding one-third the average particle size of said pre-screened iron ore fines obtained; that the pellets of different sizes are segregated in different zones of the disc of the disc pelletiser by adjusting the inclination and speed of rotation of the disc pelletiser to predetermined levels; that the said mix is added in the zone of the disc of the disc pelletiser holding pellets of relatively large sizes; and that water not exceeding 50% of the water content of the pellets produced is sprayed in the zone of the disc of the disc pelletiser holding pellets of relatively small sizes.

Compl. Sp.ecn. 29 pages

Drg. sheet Nil

Ind. Cl.: 13 A

176454

Int. Cl.: B65D 5/00, 7/00

**EASY OPEN FLEXIBLE BAG OF COMPRESSED FLEXIBLE ARTICLES.**

Applicant: THE PROCTER &amp; GAMBLE COMPANY OF ONE PROCTER &amp; GAMBLE PLAZA, CINCINNATI, OHIO, UNITED STATES OF AMERICA.

Inventor: DELMAR RAY MUCKENFUHS, JAMES CLARK BAIRD.

Application for Patent No. 28/Del/90 filed on 9-1-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

**11 Claims**

An easy open flexible bag of compressed flexible articles, said flexible articles being arranged in a stack and held in compression in a direction substantially parallel to their thickness, said bag of articles comprising:

(a) a front and a back panel connected to one another by means of a pair of end panels, a bottom panel and a top panel, all of said panels being comprised of flexible material;

(b) a stack of compressed flexible articles oriented so that the substantially planar surface of said article is aligned substantially parallel to the end panel of said bag and the outermost peripheral edges of the articles contained within said stack are aligned substantially parallel to the front, back, bottom and top panels of said bag, whereby the entire exposed substantially planar surface of the outermost articles at each end of said stack intimately contacts the innermost surface of the adjacent end panel, while only the outermost peripheral edges of said articles contained within said stack contact said front, back, top and bottom panels, said end panels and at least one pair of said front and back or said top and bottom panels being subject to tension imposed by said stack of compressed flexible articles, the other pair of said front and back or said top and bottom panels being in a substantially untensioned condition; and

(c) an easy open device comprising a substantially continuous line of weakness located partially within one of said tensioned end panels and partially within the adjacent untensioned panel, said substantially continuous line of weakness defining a predetermined portion of said end panel to be separated from the remainder of said end panel without releasing the tension in the remainder of said end panel and an unobstructed removable tear initiating point in said substantially untensioned panel, said predetermined portion of said end panel having a shape substantially coinciding with up to about 75 percent of the cross-sectional shape of the articles of said stack.

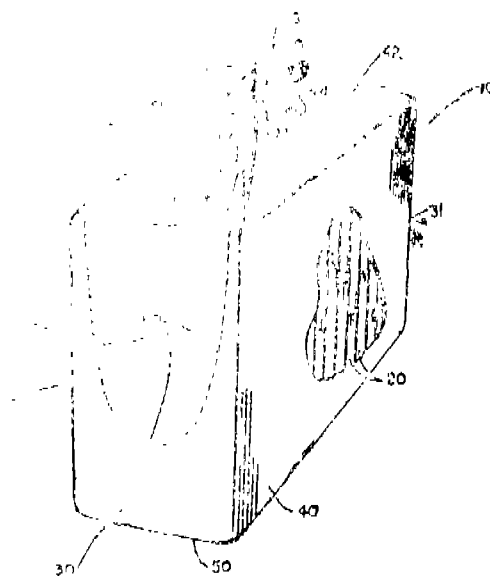


Fig. 1

Compl. Specn. 27 pages

Drgs 8 sheets

Ind. Cl.: 126 C

176455

Int. Cl.: G01N 25/00

**A MULTI-PURPOSE DEVICE FOR EVALUATION OF REFRACTORIES (SHAPED, MONOLITHIC AND AGGLOMERATES) AND MINERALS.**

Applicant: STEEL AUTHORITY OF INDIA LIMITED, AT ISPAT BHAWAN, LODHI ROAD, NEW DELHI-110003.

Inventor: LAKSHMAN TIWARI, RAJENDRA SINGH DAHLIA, MANISHANKAR MUKHOPADHYAY, KIRTI PRASAD VERMA, LAL DIPANKAR DAS, KRISHNA CHARAN CHATTERJEE.

Application for Patent No. 48, Del/90 filed on 19-1-90.

Complete left after Provisional Specification on 3-12-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

### 3 Claims

A multipurpose device for evaluation of refractories (shaped, monolithic and agglomerates) and minerals under conditions simulating those prevailing during their large-scale applications in industries, comprising (i) a reactor made of a metallic shell of substantially cylindrical shape having two flat sides each lying substantially in a vertical plane and each being provided with a centrally disposed hole of predetermined size, the hole in one flat side being made bigger than that in the other, the said reactor, supported on tyres, being rotatable around its horizontal axis at a variable speed by means of a girth gear driven by an electric motor through speed reduction gears and a chain-sprocket arrangement, and provided with means for inclining the horizontal axis of reactor slightly with respect to the vertical direction during the rotation thereof, and tilting the reactor side ways by means of a crane for draining out the reaction products, for example, of slag and refractories therefrom on completion of a test, performed therewith through the bigger hole on one of the two flat sides thereof when the reactor is stopped from rotating and held stationary; and (ii) a suitably designed water cooled, torch type, oxygen-gas burner, as described hereinbefore, having high speed flame of variable length and heat intensity, introduced into the reactor through said bigger hole thereof.

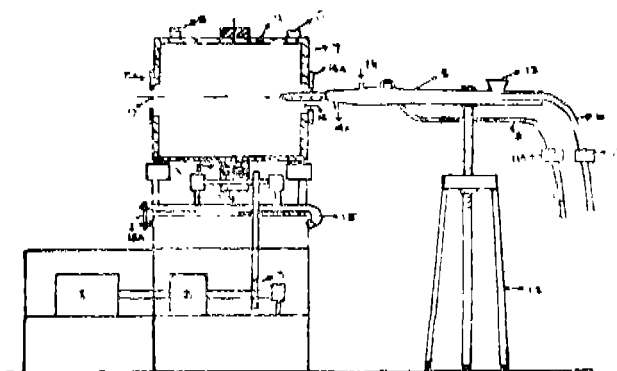


FIG. 1

Prvnl Specn. 6 pages

Compl Specn. 13 pages

Drg. sheet Nil

Drg. 2 sheets

Ind. Cl. : 32 F4b & 55 B4 E4

176456

Int. Cl. : A61k 31/33.

### PROCESS FOR THE PREPARATION OF 4(3H)-PTERIDINONES.

Applicants: LIPHA, LYONNAISE INDUSTRIELLE PHARMACEUTIQUE, A FRENCH BODY CORPORA TE, OF 34, RUE SAINT ROMAIN-69008 LYON FRANCE.

Inventors: GERARD FERRAND, HERVE DUMAS, JEAN CLAUDE DEPIN, YVETTE QUENTIN. March 1990.

Appropriate Office for Opposition Proceedings (Rule 4, of Patent's Rules, 1972) Patent Office Branch, New Delhi-110 005.

### 2 Claims

Process for the preparation of 4(3H)-pteridinones of the formula I of the accompanying drawings in which :



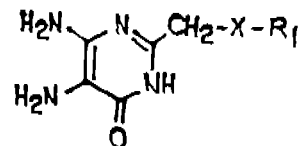
X is an oxygen atom ;

Y is a hydrogen atom ;

R1 is a hydrogen atom a straight or branched alkyl radical comprising 1 to 4 carbon atoms, a substituted or unsubstituted phenyl radical, a benzyl radical, a methoxymethyl group, an acetyl group, a 2-acetoxyethyl group or a 2, 2, 2-trifluoroethyl group; and

R1 is a hydrogen atom

which comprises reacting a 5, 6-diamino-4(3H)-pyrimidinone of the formula V of the drawings



wherein X and R1 have the meanings stated above with glyoxal.

Compl. Specn. 29 pages

Drgs. 2 sheets

Ind. Cl. : 32 F4 B+55 D4

176457

Int. Cl. : C07D, 237/00.

### PROCESS FOR THE PREPARATION OF NOVEL 3(2)H PYRIDAZINONE DERIVATIVES.

NISSAN CHEMICAL INDUSTRIES, LTD. A JAPANESE COMPANY OF 3-7-1, KANDA NISHIKI-CHO, CHIYODAKU, TOKYO, JAPAN.

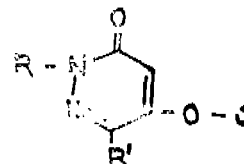
Inventors : TOMOYUKI OGURA, YASUO KAWAMURA, IATSUO NUMATA, TOSHIYUKI UMEHARA, TOSHIRO MIYAKE AND HIROSHI HARUYAMA.

Application for Patent No. 450/Del/90 filed on 11 May 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

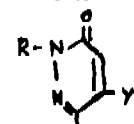
### 2 Claims

A process for preparation of a novel 3(2)H-pyridazinone derivatives of the general formula I as shown in the drawings



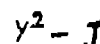
by reacting the pyridazinone compound of the general formula IB as shown in the accompanying drawings

### Formula IB



with the compound of the general formula IC as shown in the drawings,

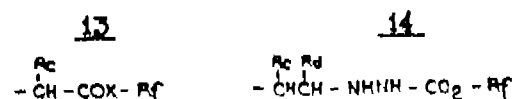
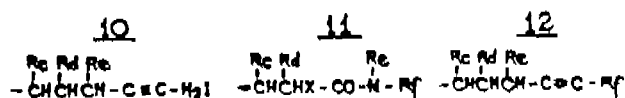
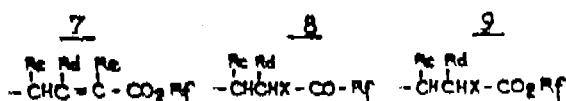
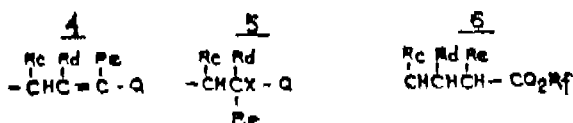
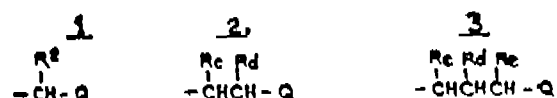
### Formula IC



wherein R represents an alkyl group having 1 to 4 carbon atoms substituted by a cycloalkyl group having 3 to 8 carbon atoms, an alkyl group having 1 to 4 carbon atoms substituted by a phenyl group which may be substituted or an alkyl group having 1 to 4 carbon atoms substituted by a heterocyclic group, R' represents a hydrogen atom, a halo-

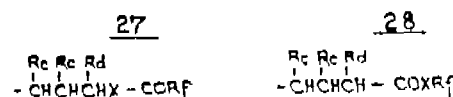
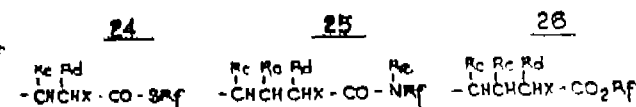
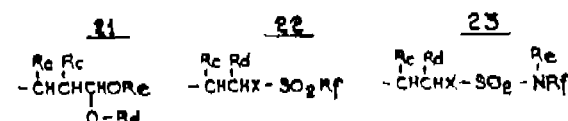
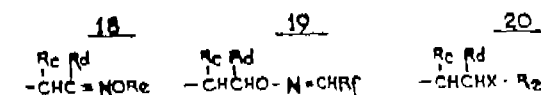
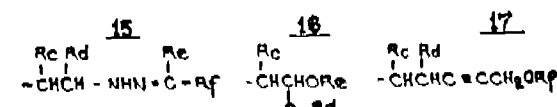
gen atom, an alkoxy group having 1 to 4 carbon atoms or a hydroxyl group having 1 to 4 carbon atoms or a hydroxyl group having 1 to 4 carbon atoms.

J represents various radicals from F1 to F28 as shown in the accompanying drawings



or an haloalkyl group having 1 to 3 carbon atoms (wherein R<sup>a</sup>, R<sup>c</sup>, R<sup>d</sup> and R<sup>e</sup> independently represent hydrogen atom or an alkyl group having 1 to 4 carbon atoms, R<sup>f</sup> represents hydrogen atom, an alkyl group having 1 to 4 carbon atoms, a cycloalkyl group having 3 to 8 carbon atoms, a phenyl group which may be substituted or a heterocyclic group which may be substituted.

X represents -O-, -S-, -NH- or -R<sub>g</sub>-  
N



R<sub>g</sub> represents an alkyl group having 1 to 4 carbon atoms,

Hal represents halogen atom, Q represents a phenyl group which may be substituted, a naphthyl group which may be substituted or a heterocyclic group which may be substituted and of Y<sup>1</sup> and Y<sup>2</sup>, one of them is halogen atom and other an OM group with M representing hydrogen atom or alkaline metal.

Compl. Specn. 55 pages

Drgs. 21 sheets

Ind. Cl.: 32 B, 18 A

176458

Int. Cl.: A6115 7/16, C08H 1/00

PROCESS FOR PREPARING A MOUTH WASH COMPOSITION.

Applicant: YOSHIE KURIHARA OF 4-7, OKUZAWA 7-CHOME, SETAGAYA-KU, TOKYO, 125, JAPAN & ASAHI DENKA KOGYO KABUSHIKI KAISHA, 2-35 HIGASHIOGU 7-CHOME, ARAKAWA-KU, TOKYO, 116 JAPAN.

Inventor: YOSHIE KURIHARA, HIROSHIGE KOHNO, MASAOKI KATO, KENJI IKEDA, MASAKO SAITO.

Application for Patent No. 679/Del/93 filed on 2-7-93.

Ante-dated to 9-6-89.

Divisional to Patent Application No. 504/Del/89.

Appropriate Office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

7 Claims

A process for preparing a mouth wash composition comprising, a solvent, a thickener, a water soluble salt of an alkyl sulphate, surface surfactant, an essential oil, a perfume, a sweetener and a preservative, and adding thereto fresh curculigo latrifolia fruits, dried fruits thereof or a curculin curculigo latifoila fruits, dried fruits thereof or a Curculin as to give Curculin content of 1 to 10-3% (by weight) based on the total mouth wash composition.

Compl. Specn. 12 pages

Drgs. sheets Nil

Ind. Cl.: 32 B

176459

Int. Cl.: C 08 H 1/00, A 23 G 3/00.

"PROCESS FOR PREPARING TIF CHEWING GUM COMPOSITION."

Applicant: YASHIE KURIHARA OF 4-7, OKUZAWA 7-CHOME, SETAGAYA-KU, TOKYO 125, JAPAN AND ASAHI DENKA KOGYO, KABUSHIKI KAISHA, 2-35, HIGASHIOGU 7-CHOME, ARAKAWA-KU, TOKYO, 116, JAPAN.

Inventors : YOSHIE KURIHARA, HIROSHIGE KOHNO, MASAOKI KATO, KENJI IKEDA, MASAKO SAITO.

Application for Patent No. 680/Del/93 filed on 2-7-93.

(Ante dated to 9-6-89, Divisional to Patent Application No. 504/Del/89).

Appropriate office for filing the opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

### 7 Claims

A process for preparing the Chewing Gum composition comprising a chewing gum base characterised in that 0.01 mg to 1 mg of fresh *Curculigo latifolia* fruits, dried fruits thereof, or a Curculin containing material obtained there from are added to per unit of chewing gum base and optionally adding thereto no-toxic acid as herein described to impart a low calorific value and improve sweetness.

(Compl. specn. 10 pages

Drg. sheets Nil)

Ind. Cl. : 32 B

176460

Int. Cl.<sup>4</sup> : C 08 H 1/00.

"PROCESS FOR PREPARING SOUR MATERIAL WITH MODIFIED TASTE."

Applicant : YOSHIE KURIHARA OF 4-7, OKUZAWA 7-CHOME, SETAGAYA-KU TOKYO, ASAHI DENKA KOGYO KABUSHIKI KAISHA, 2-35, HIGASHIOGU, 7-CHOME, ARAKAWA-KU, TOKYO.

Inventors : YOSHIE KURIHARA, HIROSHIGE KOHNO, MASAOKI KATO, KENJI IKEDA, MASAKO SAITO.

Application for Patent No. 681/Del/93 filed on 2-7-93.

Ante-dated to 9-6-89.

Divisional to Patent Application No. 504/Del/89.

Appropriate office for filing the opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

### 3 Claims

A process for preparing sour material with modified taste for oral consumption of the kind as herein described comprising adding 0.001 to 1 part by weight of Curculin obtained from fresh *Curculigo latifolia* fruits, dried fruits thereof to hundred parts of weight of said sour material and optionally adding thereto bitter material of the kind as herein described is also included.

(Compl. specn. 18 pages

Drg. sheet Nil)

Ind. Cl. : 40 B

176461

Int. Cl.<sup>4</sup> : B 01 J 21/01, 21/12, 23/74, 23/84.

A PROCESS FOR THE PREPARATION OF A CATALYST COMPOSITE MATERIAL USEFUL FOR NAPHTHA REFORMING.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001.

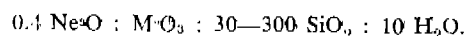
Inventors : SUBRAMANIAN SIVASHANKER, PAUL RATNASAMY, ANIL PURUSHOTTAM, BUDHKAR, SHIVAJI RAMACHANDRA PADALKAR, KASHINATH JOTI WAGHAMARE.

Application for Patent No. 1136/Del/86 filed on 24-12-86.

Appropriate office for filing the opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

### 7 Claims

A process for the preparation of catalyst composite material useful for naphtha reforming which comprises blending crystalline metasilicate of general composition



where M can be iron, lanthanum or boron or mixtures thereof prepared by the process as claimed in our copending application no. 879/Del/89 with alumina drying and calcining the blend by conventional method, adding chloride in the form of HCl or  $\text{AlCl}_3$  to the calcined product and adding salts of one or two of metals from the group platinum, rhodium, palladium, germanium, lead, magnese, gold, tin or iridium to the resultant catalyst and shaping into desired form.

(Compl. specn. 21 pages

Drg. sheets Nil)

Ind. Cl. : 35 F.

176462

Int. Cl.<sup>4</sup> : C 04 B 35/04.

A PROCESS OF FORMING A COHERENT REFRACTORY MASS ON THE SURFACE OF A SUBSTRATE.

Applicant : GLAVERBEL, A BELGIAN COMPANY, OF CHAUSSEE DE LA HULPE, 166, B-1170 BRUSSELS, BELGIUM.

Inventors : LEON-PHILIPPE MOTTET, PIERRE ROBYN, PIERRE LAROCHE.

Application for Patent No. : 369/Del/87 filed on 28-4-1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

### 9 Claims

A process of forming a coherent refractory mass on the surface of a substrate such as herein described by projecting against that surface, together with oxygen, a mixture of refractory particles of the kind such as herein described and fuel which reacts in an exothermic manner with the projected oxygen to release sufficient heat to melt at least the surfaces of the refractory particles and thus form said refractory mass, characterised in that the projected mixture contains, as said fuel, finely divided particles of at least one element as herein described which is oxidisable to form a refractory oxide and the projected mixture also contains carbonaceous materials of the kind such as herein described which are not completely oxidised during the projection and comprises particles of polymeric material or carbonaceous particles of the kind as herein described having a mean grain size in excess of 0.5 mm and forming in a manner, as herein described the said particles into a core of carbonaceous material covered with a mantle of a material which inhibits oxidation of the core.

(Compl. specn. 21 pages

Drg. sheet Nil)

Ind. Cl. : 141 A.

176463

Int. Cl.<sup>4</sup> : B 28 B 3/00.

A PROCESS OF PRODUCING BINDERLESS BRIQUETTES FROM WASTE LIME FINES.

Applicant : STEEL AUTHORITY OF INDIA LIMITED, AT ISPAT BHAWAN, LODHI ROAD, NEW DELHI-110003.

Inventors : SACHI DULAL MAJUMDAR, SWAPAN KUMAR GARAI, TAPAS KUMAR PAL, ANUP KUMAR



**BHATTACHARYA, PANKAJ KUMAR ROY CHOWDHURY, NIRMAL KUMAR GHOSH, AJAY KUMAR DASGUPTA, KRISHNA CHARAN CHATTERJEE.**

Application for Patent No. 1040/Del/89 filed on 09-11-89.

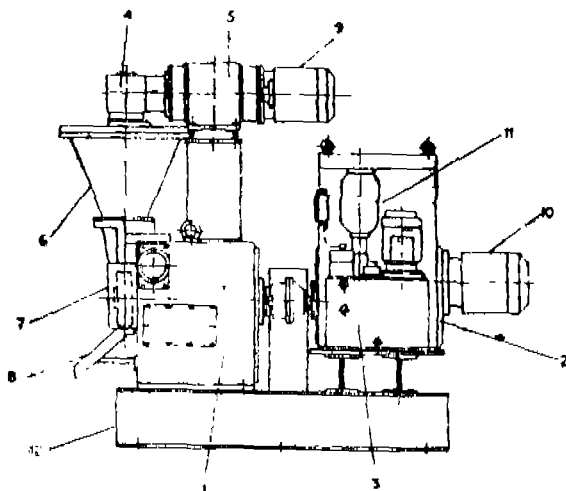
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Appropriate office for filing the opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 2 Claims

A process of producing binderless briquettes from waste lime fines using a roller-type shaft kiln machine, such as herein described, comprising the steps :

- (i) charging lime stone into a parallel-flow regenerating type shaft kiln through a skip for calcination at 1100-1200°C, passing the calcined lime through a bunker or charging bulk lime stone into a rotary kiln for calcination at 1100-1200°C, cooling the calcined bulk lime to 75 to 80°C in a rotary cooler, screening the calcined lime or bulk lime to separate out the fines below a given size and storing the same in a bunker/chute to get the same hydrated at the surface thereof by reacting chemically with the atmospheric moisture ;
- (ii) feeding the fines obtained in step (i) into the charging hopper of the said machine; and
- (iii) converting the fines into briquettes by applying compressive force on the mould of the machine; characterised in that (a) the calcined lime or bulk lime is screened to separate out the fines of size not exceeding 10 mm, containing at least 35% by weight the grains of sizes not extending 1 mm and of L.O.I. content not exceeding 10% by weight, (b) storing the fines in the bunker/chute for 4 to 8 hours and (c) applying a compressive force of 39 KN/cm on the moulds of the machine.



(Provisional Specification 6 pages

Drg. Nil sheet)

(Compl. specn. 19 pages

Drgs. 3 sheets)

Ind. Cl. :

176464

Int. Cl.<sup>4</sup> : H 04 B 7/00.

**AUTOMATIC MATCHING FILTER FOR AM RADIO TRANSMITTER AND/OR RECEIVER STATION.**

Applicant : THOMSON CSF OF 51, EXPLANANDE DU GENERAL DE GAULLE, 92800, PUTEAUX, FRANCE.

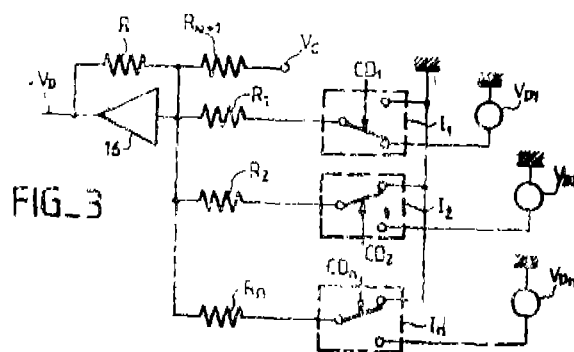
Inventors : JEAN-MICHEL TRUMPFER, MICHEL BIZERY, GILLES RAINETEAU.

Application for Patent No. 1064/Del/89 filed on 6-11-89.

Appropriate office for filing the opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

## 3 Claims

An automatic matching filter for a radio transmitter and receiver station comprising a filter circuit with variable capacitance diodes, a feedback circuit connected to said filter circuit to stabilize the matching frequency  $f_m$  of the filter in accordance with the bias current and voltage of the variable capacitance diodes when interference signals have a frequency located in the pass-band of the filter, characterised in that said feedback circuit comprises a level detector coupled to the said filter circuit to detect the level of interfering signals and computation circuit connected to variable capacitance diodes to apply correction currents and voltages to the variable capacitance diodes and to stabilize the automatic matching filter at its matching frequency  $f_m$ .



(Compl. specn. 9 pages

Drg. 1 sheet)

Ind. Cl. : 69 A LIX (1)

176465

Int. Cl.<sup>4</sup> : H 01 H 83/00.

**A HIGH TENSION CIRCUIT-BREAKER.**

Applicant : GEC ALSTHOM SA 38, AVENUE KLEBER 75116 PARIS, FRANCE.

Inventors : EDMOND THURIES, DENIS DUFOURNET, MICHEL PERRET.

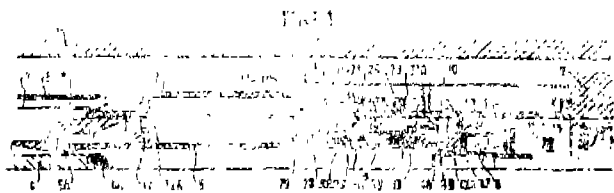
Application for Patent No. 1078/Del/89 filed on 20-11-89.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 5 Claims

A high tension circuit breaker comprising at least one interrupting chamber comprising a cylindrical shell (1) filled with a dielectric gas under pressure, said shell (1) containing a cylindrical fixed main contact (3) surrounding a cylindrical fixed arcing contact (4), said fixed contacts (3, 4) being coaxial to said shell (1) said shell also having a cylindrical main moving contact (7) surrounding a tubular moving arcing contact (5) comprising an insulating extension (5B) fixed to a driving tube (6) said moving main and arcing contacts (7, 5) being coaxial to said shell and defining a blast cylinder (20) opening out into a blast nozzle (8) said blast cylinder (20) cooperating with a semi-moving first piston (14) characterised in that said semi-moving first piston (14) carries a first secondary contact (30) on the side opposite to the blast cylinder (20) a second secondary contact (31) being carried by a fixed tube (15) partially surrounding said main moving contact (7) said shell (1) comprising a second pis-

ton (42) fixed to said driving tube (6) said pistons (14, 42) said tube a (15) and said insulating extension (5B) defining a second closed volume.



(Compl. specn. 10 pages)

Drgs. 2 sheets)

Ind. Cl. : 70 A

176466

Int. Cl.<sup>4</sup> : H 01 M 4/46.

A PROCESS FOR THE PREPARATION OF A CATHODE FOR USE IN A MAGNESIUM METAL OXIDE AIR CELL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001.

Inventors : NATCHI MUNIYANDI, KAILATHUVALA-PPIL INNIRI VASU.

Application for Patent No. 961/Del/90 filed on 4-10-90.

Ante-dated to 4-10-90.

Divisional to Patent Application No. 593/Del/89 filed on 06-07-89.

Complete left on 4-10-90.

Appropriate office for filing the opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

#### 4 Claims

A cathode for use in magnesium metal oxide air cell is prepared by mixing 30 to 50% of a metal oxide such as nickel oxide, cobalt oxide & manganese dioxide, 30—50% of a known conducting material and 20—30% of a binder of non wetting nature and pressing the mixture on to a nickel plated iron mesh at room temperature.

(Compl. specn. 7 pges

Drg. Nil sheet)

Ind. Cl. : 55 F+170A.

176467

Int. Cl.<sup>4</sup> : C 11 D 3/386, C 12 N 9/38.

A PROCESS FOR PREPARING A CLEANSING COMPOSITION COMPRISING LYSOZYME AND ENDO-GLYCOSIDASE.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, 45202, UNITED STATES OF AMERICA.

Inventors : RICHARD SHEPARD CARPENTER ANN MARGARET WOLFF.

Application for Patent No. 1047/Del/90 filed on 22 Oct 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

#### 10 Claims

A process for preparing a cleansing composition useful for enhanced removal of microbes, said process comprising mixing ruminant stomach lysozyme, endo-glycosidase selected from Endo 8-acetylglucosaminidase and/or endoglycopetidase and optionally conventional ingredients of the kind such as herein described the ratio of said ruminant stomach lysozyme to endo-glycosidase is from 1:4 to 4:1.

(Compl. specn. 30 pages).

Ind. Cl. : 40 B

176468

Int. Cl.<sup>4</sup> : C 07 B 33/00, C 07 D 301/10, 303/04, B 01 J 23/66, 23/68.

PROCESS FOR THE PRODUCTION OF ETHYLENE OXIDE FROM ETHYLENE AND OXYGEN.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. OF CAREL VAN BYLENDT-LAAN 20, 2596 BR THE HAGUE, THE NETHERLANDS.

Inventor : ANN MARIE LAUBITZEN.

Application for Patent No. 1037/Del/90 filed on 17-10-90.

Divisional to India Patent Application No. 919/Del/87 filed on 20-10-87.

Anti-dated to 20-10-87.

Appropriate office for filing the opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

#### 2 Claims

A process for the production of ethylene oxide from ethylene and oxygen which comprises reacting said ethylene with said oxygen in the presence of an improved catalyst composition comprising :

from 1% to 30% by weight of catalytically effective silver; from 0.01 to 15 millimol per Kg. of the composition of a promotor selected from rhenium of compounds thereof;

from 10 to 5000 ppm calculated as metal on the weight of the composition of an additional promotor comprising at least one further metal such as herein described or a compound thereof, and

from 0 to 5 millimol per Kg. of the composition of sulphur or a compound thereof provided on a porous support such as herein described.

(Compl. specn. 50 pages

Drgs. 5 sheets)

Ind. Cl. : 83 A, + B<sub>3</sub>

176469

Int. Cl.<sup>4</sup> : A 23 L 1/22.

AN IMPROVED PROCESS FOR THE PRODUCTION OF BALL SHAPED UNWRINKLED PEPPER.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : POKKATU PAITHROSE THOMAS, NARAYANAN GOPALKRISHNAN.

Application for Patent No. 573/Del/91 filed on 27-6-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## Claims

An improved process for the production of ball shaped unwrinkled pepper which comprises washing the berries with water to remove dust particles, slowly adding the cleaned berries to vigorously boiling water with gentle stirring for uniform heating of the berries (blanching treatment) decanting the water from the berries, washing the resultant berries characterised in that collecting the washed berries in polythene bags, keeping the bags containing the berries at a temperature between 0 to -5°C for about 24 hrs, raising the temperature slowly to room temperature by washing the polythene bags with water gently and finally drying the berries by keeping them overnight at a temperature in the range of 50 to 60°C in a cross flow dryer.

(Compl. specn. 8 pages)

Drg. sheet Nil)

Ind. Cl. : 32 F<sup>1</sup> & 42 D

176170

Int. Cl. : C 07 D 31/01

AN IMPROVED PROCESS FOR THE PREPARATION OF NICOTINE SULFATE FROM NICOTINE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJG MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : AJAY SADASHIV CHILATRE, NIRMAL KISHOR YADAV, BHASKAR DATTATRAYA KULKARNI.

Application for Patent No. 650/Del/94 filed on 19-7-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 9 Claims

An improved process for the preparation of nicotine sulfate from nicotine, which comprises :

- treating tobacco/tobacco waste with an alkali solution and macerating;
- extracting the macerated mixture with an organic solvent;
- adding 22% to 99% by wt. microemulsion of surfactant and a cosurfactant to the extract at a temperature of 20-40°C;
- recovering the organic phase by known methods and reacting with sulfuric acid to obtain said nicotine sulfate.

(Compl. specn. 5 pages)

Drg. sheet Nil)

## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 162435 dated the 8th August 1985 made by Moideed Abdul Wahab Konnurudin on the 12th June, 1995 and notified in the Gazette of India Part III, Section 2, dated the 28-7-1995 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 164625 dated the 11th April, 1985 made by Sismo International on the 17th April, 1995 and notified in the Gazette of India Part III, Section 2, dated the 24-6-1995 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 167631 dated the 26th May 1986 made by Sony Corporation on the 10th May, 1995 and notified in the Gazette of India Part III, Section 2, dated the 29-7-1995 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 167968 dated the 10th July, 1989 made by Srinivas P. Acharya & Ravindra B. Pallkar on the 30th June, 1995 and notified in the Gazette of India Part III, Section 2, dated the 28-7-1995 has been allowed and the said patent restored.

## RENEWAL FEES PAID

153872	156101	157175	157573	157925	158416	159151
159171	159237	159666	160151	160935	161344	161345
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## PATENT SEALED ON 02-05-96

175553 175924 175925 175927 175928 175930 175931  
175952 175954 175955\* 175963\* 175965\* 175969.

CAL-13, DEL-NIL, BOM-NIL, MAS-NIL

\*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents, F—Food Patents

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

- Class 1. No. 170033, Nadia Basak, an Indian National of 12 Duffer Street, Liluah, Howrah, West Bengal, India, "BOTTLE SEAL", 13th October 1995.
- Class 1. Nos. 169959 & 169960, Nadia Basak, an Indian National of 12 Duffer Street, Liluah, Howrah, West Bengal, India, "BOTTLE SEAL", 4th October 1995.

- Class 1. No. 169857, Airtech Private Limited, an Indian Company of 20/7, Site 4, Sahibabad Industrial Area, Ghaziabad 201010, U. P., India, "HEAD AND FOOT BOARD SET FOR BEDS", 15th September 1995.
- Class 1. No. 169858, Airtech Private Limited, an Indian Company of 20/7, Site 4, Sahibabad Industrial Area, Ghaziabad 201010, U. P., India, "HEAD AND FOOT BOARD FOR BEDS", 15th September 1995.
- Class 1. No. 169859, Airtech Private Limited, an Indian Company of 20/7, Site 4, Sahibabad Industrial Area, Ghaziabad 201010, U. P., India, "BEDS", 15th September 1995.
- Class 3. No. 170076, Canon Kabushiki Kaisha, of 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, Japan, a corporation duly organised under the laws of Japan, "A TONER CONTAINER FOR COPYING MACHINE", 27th October 1995.
- Class 3. No. 169747, Lingner & Fischer GmbH, of Hermannstrasse 7, D 77815, Buhl/Baden, Federal Republic of Germany, a German Company, "DISPENSER", 27th February 1995 (Reciprocity date).
- Class 3. No. 169772, B & W Loudspeakers Limited, of Meadow Road, Worthing, West Sussex, BN11 2RX, U. K., a British company, "LOUDSPEAKER", 8th March 1995 (Reciprocity date).
- Class 3. No. 169875, Amano Corporation, a corporation existing under the laws of Japan of 275, Mamedochi, Kohoku-ku, Yokohama shi, Kanagawa-ken, Japan, "TIME RECORDER", 20th September 1995.
- Class 3. No. 169882, Asian Micro Sources INC., a corporation of the state of California, U.S.A., of 329 Rhcem Boulevard, Moraga, California 94556, United States of America, "AC MODULAR PLUG", 21st September 1995.

T. R. SUBRAMANIAN,  
Controller General of Patents  
Designs & Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित  
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1996

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